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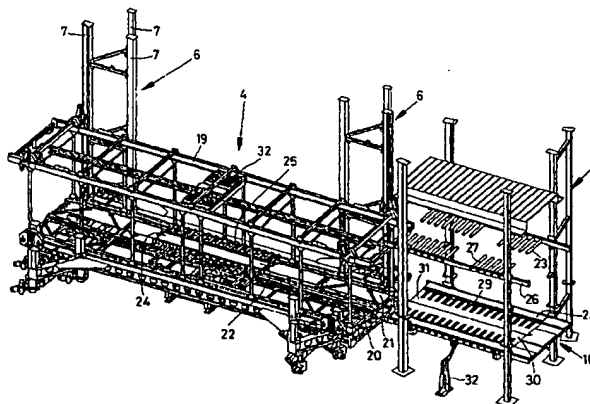
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(54) Title: **DEVICE FOR STORING VEHICLES**



(57) Abstract: The invention provides a device for storing vehicles, which device comprises a plurality of storage locations for said vehicles lying beside and above each other, at least one exchange location connecting to the surroundings of the device, wherein all the aforesaid locations comprise an open supporting platform for supporting a vehicle. The device furthermore comprises means of transport for transporting a vehicle between said at least one exchange location and a storage location, said means of transport comprising a horizontally movable guide system for guiding a lift in vertical direction, which lift comprises a lift platform which can move in horizontal direction between said lift and said locations and which can pass an open supporting platform in vertical direction for transferring a vehicle between the supporting platform in question and the lift platform. The exchange location further comprises a fill-up platform which, in a closed position thereof, in which it is aligned with the open supporting platform of the exchange location, forms a substantially closed surface, wherein the fill-up platform can be moved in downward direction from the closed position in order to create space for the lift platform to pass the supporting platform of said at least one exchange location in vertical direction.

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